

ACADEMIC YEAR:2020-21



Gracing this magazine with our students of ECE Dept. with their contribution of articles regarding future tech, review on books, photography, arts, future missions and their project capsule.

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Talks of students

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ARTICLE ZONE



Crypto Currency- Bitcoin

SRILEKHA | 18HP1A0423

What Is Cryptocurrency?

- Cryptocurrency is an internet-based medium of exchange which uses cryptographic functions to conduct financial transactions.
- In cryptocurrency, the cryptography is a method of using encryption and decryption to secure communication in the presence of third parties with ill intent.
- It usually requires a computational algorithm (like **SHA256**), which the algorithm that bitcoin uses. A public key is also provided which is like a digital identity of the user which will be shared with everyone whereas the private key is digital signature of the user which keeps hidden.

Journey of Cryptocurrency:

Before 110BC
Before 110bc, the cave man era we used the barter system and lost its impact when it is discovered that it doesn't have common measure value.

110BC-1250AD
Official currency was minted and gold plated
Florins were introduced

1600AD-1900AD
Paper currency obtained wide popularity and these are controlled by a bank or Government

2009
Evolution of cryptocurrency by the introduction of Bitcoin



Some of the cryptocurrencies

Disadvantages:
Technical issue & accounts being hacked, also the transfer limits.

BITCOIN

- Nearly there are more than 1600 Cryptocurrencies available as they are decentralized and anyone can create the cryptocurrency, in which Bitcoin is on the top position.
- Bitcoin depends on block-chain technology, so new units will be added only after certain conditions are met.
- The main advantages of using Bitcoin is, there would be no transaction costs, 24/7 access, freedom for anyone to use, international transfer is faster and also no limits on purchases & withdrawals.
- Also Bitcoin have some disadvantages as it consumes more time when compared with other cryptocurrencies like ether as ether takes only 20 sec for transactions whereas Bitcoin takes up to 10min, data losses can cause financial losses, no refund or cancellation policy.
- Bitcoin is revolutionary technology, it represents The alternative monetary system.

1 Bit coin=25, 47,747 Indian rupee
-Asper 28/6/21_1:42pm

POPULAR PEOPLE VERSION:

- ✚ Personalities like Bill gates, Elon Musk and Richard Branson are supportive towards the cryptocurrencies and believe they are better than regular currency.
- ✚ On 19 January 2021, Elon Musk placed the handle #Bitcoin in his Twitter profile, tweeting "In retrospect, it was inevitable", which caused the price to briefly rise about \$5000 in an hour to \$37,299.
- ✚ Where on the other side of the coin, the noble prize winners in field of economics like Richard Schiller and Paul Krugman, state the cryptocurrency as Ponzi scheme and means for criminal activities.

CONCLUSION:

We need to understand that there will be a high possibility of cultural trends grow exponentially and also fall off after their peak, So it would be huge risk to invest though we may get the equally high return but there also a possibility of losing our investment at the same extent. So being cautious and investing the amount that we may not suffer even if we lose would be a better usage of Cryptocurrency.



WHAT IF THE BRITISH NEVER RULED INDIA?

DIVYA | 18HP1A0468

Would Will India have been an advanced country or a slavery nation?

British has ruled India for almost 200years by killing Indians.

Millions have sacrificed their lives for freedom. **Do you know** how rich our India was in the year 1700AD?

RICHNESS IN INDIA:

According to economic historian **ANGUS MEDICINE** India share of the global economy was around 25% at the time was exporting textiles, indigos spices, sugar sealing, and much more apart from importing courses and some luxury items for ruling classes, our needs were very few Indian traders usually demanded gold and silver as payment instead of a system in 1756 when British started invading India by buying Indian goods and raw materials by then the British was so advanced they had advanced weapon compared to India they started imposing a tax for everything including for farming in our land today the UK is the fifth-largest economy in the world this is because they have looted India in such a way that our economic came down from 25% to 3%.

EDUCATION IN INDIA:

We have heard that many of them telling it is all because of British education system we are competing with the world else we would have been still backward in the technology but fact is the ancient Indian education was advanced in world there was **Gurukula** system of learning as per history prediction in year 1200AD 22% of them were literate in Sanskrit and others were skilled in one or other way Indian education system was not just in books like today's education it was way of living which was highly effective and productive and produced excellent skilled manner after British invading India they have translated many of our Vedas writing from Sanskrit to English from building large ship to bridges India was advancing in technology not to forget India has innovated Ayurveda and plastic surgery zero and many developments in mathematics and science years ago but British treated Indians as literates only if they know English and we started

learning English forcefully we today we are following western education system but few countries like Germany starts Sanskrit teaching and Vedas.

TECHNOLOGY IN INDIA:

When it comes to technology, ancient Indian temples which were built thousands of years ago which will not even move an inch during the earthquake, but today our hoses get cracks in walls in 20 years of construction, and not to judge today's engineers fail to understand the construction techniques used in building old structures we should never forget that India has produced great astronomers and mathematicians like Arya Bhatta who invented zero on 4776AD by this we can imagine how to advance our technology and education system was.

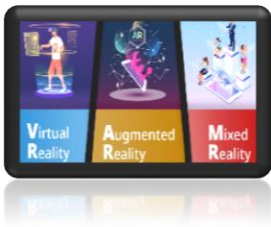
CULTURE IN INDIA:

When it comes to Indian culture and tradition, in 1759, 70% of India was under the control of the Marata Empire, and the rest was warriors, nawab sultans, Portuguese, and other small kingdoms. If the British did not invade India, Pakistan and Bangladesh would have been India's heritage by now. Kings like Chatrapati Sivaji protected our country and culture and wanted to unite India as one dynasty. Still, due to hunger for power and money, some nabob sultans and maharajah supported and allowed British and other county rulers to invade India later. As a result, everyone was defeated by the British most of our Indian culture and tradition has been destroyed by the invaders in every ruling period.

SOME GOOD FROM BRITISH:

They have done good and evil to India even Britishers have done some good from Britishers we have adopted democratic way of electing leader through election if this has not happened today we would have been ruled by the kings like Arab countries, which might be good or harmful to the citizens we could have expected any of the things if British never led India one was India would have been a powerful nation and advanced in technology in an ancient method to modern innovation or India would have been ruled by ~~nawabs~~ and of some sultans and that would have been another **STORY**.





Immersive Technologies- VR|AR

KRANTHI KIRAN | 18HP1A0442

What are Immersive Technologies?

- Immersive Technology is any technology that extends reality or creates a new reality by leveraging the 360 space.
- Because Immersive Technology leverages the 360 space/sphere, users can look in any direction and see content.
- Some types of Immersive Technology extend reality by overlaying digital images on a user's environment.
- Others create a new reality by completely shutting a user out from the rest of the world and immersing them in a digital environment.
- The different types of Immersive Technology are 360, VR, AR, MR, and XR.

- Class VR is the one of the new development in the VR technology which enhances the learning ability and understanding the concepts easily.

AUGMENTED REALITY

Augmented Reality is the technology that projects computer generated augmentations on the top of the reality helping us to perform tasks better and efficiently.



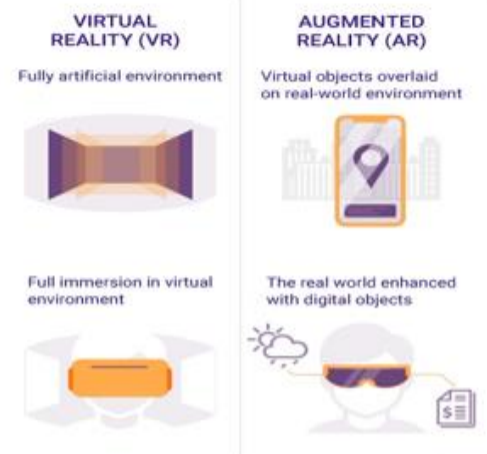
VIRTUAL REALITY

Virtual reality uses VR headsets to create a simulator environment and helps an individual to immersive into it to and experience a entirely different reality.

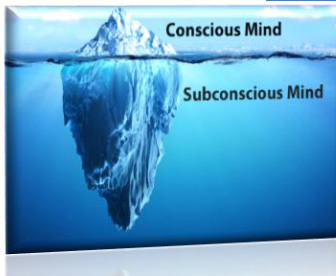


- This is one of the more emerging technology, which can be useful in different domains like Games, Military, and Education etc.
- The first VR device was invented by **Modern Highlake** in 1957 and it is called **Sensorama**.
- But the name virtual Reality was coined later by the **Jaron Lainer** in 1987.
- Some of the best VR products are **Oculus Quest VR kit**, **Sony play station VR**, **Lenovo mirage** and many.

- ✓ This is the technology which shows the objects that which is not present in the real world.
- ✓ This is technology helps people to view the future changes when they are made.
- ✓ This is not the new technology, it present from numerous decades.
- ✓ **I M Sutherland** developed the first AR gadget called **SWAT of Damocles** during 1968.
- ✓ He used simple computer graphics to show the users simple wireframe drawings from **Pokémon go** to training future surgeons.



REVIEW ZONE



THE POWER OF YOUR SUBCONSCIOUS MIND

VAIBHAV | 18HP1A0495

"YOU"

Think about it, when you read the word "YOU", who do you think about it first? I think about "MYSELF" and what about you? Because the change starts within you and not in some else expect you.

And don't be dumb by wasting your time like impressing everyone; everyone should love us. We should be ourselves, as change may happen anytime

Here as the title suggests, "THE POWER OF YOUR SUBCONSCIOUS MIND."

THINK GOOD,GOOD FOLLOWS - THINK EVIL,EVIL FOLLOWS n YOU ARE WHAT YOU THINK ALL DAY ALONG

The name always fascinated me before I enter the world of book reading. Even though I didn't have read the completed book, I want to give a basic N simple review.

The author DR.JOSEPH MURPHY makes a high claim about the facts without scientific proves, so "BE PRACTICAL" you have to use your logic and use the statements in the book.

According to the personal experience of reading one-fourth of the book, it brings the good out of it and makes it to learn and remember the idea, habits in your life. The book doesn't harm you.

The author says that the subconscious mind works from birth to our last breath. Forex: your daily basics like driving a vehicle, once you have got a particular experience; your body reacts to the situation reaction times because the mind is much faster while operating your body on a subconscious level.


The author says that to follow the book and you need to implement it in your daily basics, and its been divide into chapters like

- ❖ "THE TREASURE WITHIN YOU"
- ❖ "HOW YOUR MIND WORK"
- ❖ "THE MIRACLE-WORKING POWER OF YOUR SUBCONSCIOUS"
- ❖ "PRACTICAL TECHNIQUES IN MENTAL READING "

These are some of the chapters...

I recommend you to read this book. You spend most of the time doing unnecessary stuff though you may do your unnecessary stuff but still read this book. When you buy this book, don't hurry to complete the chapters and worry about not getting the results. "THAT'S WHAT IDIOT DO".

Be practical. You need to read the chapter once or thrice and implement it in your daily basics, and that's where you would see the results, but the result doesn't come all of a sudden; it depends on consistency.



INTERESTING FACTS

about the **Subconscious Mind:**

- It records everything.
- Always alert and awake.
- It controls 95% of our lives.
- It is built on habituation.
- It speaks to you in dreams.
- It has no verbal language.
- It takes everything literally.
- It can do trillion things at once.
- Is not logical; its the feeling mind.
- It is one million times powerful than the conscious mind.

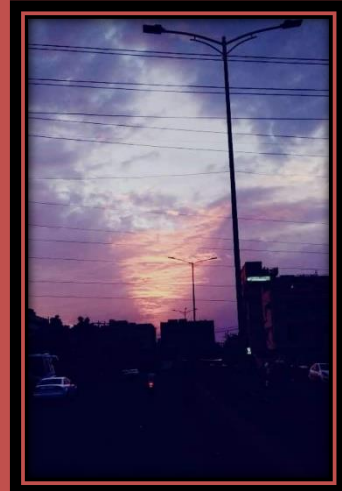
PHOTOGRAPHY ZONE



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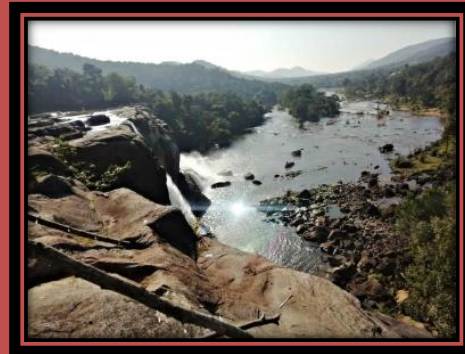
Pujitha-18HP1A0417



Vineetha-18HP1A0430



Devi Sri-19HP5A0401



Vineetha-18HP1A0430

SKETCH ZONE



Anusha-18HP1A0402



Jahnvi-18HP1A0406



Prathyusha-18HP1A0416



Srilekha-18HP1A0423



Ujwala-18HP1A0427



Vineetha-18HP1A0430



Ujwala-18HP1A0427



Srilekha-18HP1A0423



Ujwala-18HP1A0427



Bhuvanewari-18HP1A0462



Henna Jasmine-18HP1A0471



Sarvani-18HP1A0478



Sarvani-18HP1A0478

The Next Mission

INDIA'S THIRD DATE WITH THE MOON

India will launch its third mission, Chandrayaan-3, to the moon in an attempt to land on its surface in 2020-21. The mission will target a soft-landing near the lunar South Pole later this year or early next year.

- 1** GSLV Mark-III (left) had to be operationalised for launching Chandrayaan-2 due to its heavy payload. Chandrayaan-3 will be much lighter as no orbiter would be stacked on it. Isro, however, has not specified the rocket type to be used in Chandrayaan-3.
- 2** Chandrayaan-3's payload will be similar to Chandrayaan-2 (above). It will have a lander, rover, like its previous iteration. Since it will not carry and orbiter, a propulsion module will be added to the lander. Isro already has a set of backup lander-rover unit that may be used after some modifications.
- 3** The orbiter from Chandrayaan-2 that's already in place will be used by the lander-rover to communicate with Earth. The orbiter, which originally had a mission life of one year, has been given an extension in mission life — it will be operational for 7 years.
- 4** The lander-rover is expected to land close to the lunar South Pole like Chandrayaan-2. Changes will be made to the sequence of powered descent, during which a velocity loss had caused the Chandrayaan-2's lander-rover to crash. Isro has not yet revealed the details of the lander.

MISSION COST

Chandrayaan-2			₹960Cr
Chandrayaan-3	₹250Cr	₹360Cr	₹610Cr
	Lander-rover	Launch rocket	

MADHURI18HP1A0473

Project Capsule

BHANU TEJA | 18HP1A0494



Editor's note

Hola!

So you made up to the end of the magazine, hope you enjoyed and gained the knowledge about the unknown and a bit more about known.

firstly in *Article zone* which is packed with articles related to trending topics of the today world *cryptocurrency* which is used by most of the popular people around the world like Elon musk, jack Dorsey, Mike Tyson and many more the list goes on and secondly "*what if*" which gives us the view of another dimension if we aren't under the British control and finally, about *virtual & Augmented reality* which involves overlaying visual, auditory, or other sensory information onto the world in order to enhance one's experience were described so intensely that a layman can get enough knowledge to go further in that direction.

Secondly, you have a *Review* of a book which gives us an overview of the book and how people change the perspective of exploring the world after reading that book

Thirdly, *Photography zone* you come across the beauty of nature in the form of pictures taken by them, if you observe keenly you will able to find the map of our nation in the picture, hope u found it!

Further the *sketch zone* where creative skill and imagination are expressed on paper.

And *The next_mission*, which gives the details of India's 3rd date with the moon and the mission cost.

Finally, the *Project capsule* of our student, which shows projects made by him.

Srilekha -18HP1A0423

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